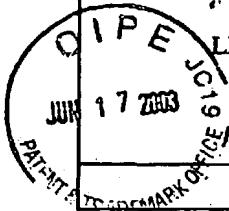


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	AL						
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>SS</i>	AR	Journal of Virology, July, 1996, p. 4646-4654, Vol. 70, No. 7,
		"A "Humanized" Green Fluorescent...Mammalian Cells", S.Zolotukhin, et al.
<i>SS</i>	AT	Current Biology 1996, Vol. 6, No. 3:325-330, "Engineered GFP as a Vital Reporter in Plants", Wan-ling Chiu, et al.
EXAMINER	<i>SS</i>	DATE CONSIDERED <i>1/14/03</i>

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LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i>					APPLICANT Yih-Tai Chen et al.		
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SS	AR	European Journal of Cell Biology, Vol. 79, No. 1, pp. 144-149 (2000, February) "Expression of the Green... Tetraurelia", Karin Hauser, et al.					
SS	AS	Journal of Protein Chemistry, Vol. 20, No. 6, August 2001, pp. 587-597 "Characterization and Use of Green Fluorescent Proteins... Functional Peptides", Beau Peelle, et al.					
EXAMINER <i>S. S. H.</i>						DATE CONSIDERED 1/14/04	
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			FILING DATE October 15, 2001		GROUP 1642			
U.S. PATENT DOCUMENTS								
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SS	AA	5,786,464	07/28/1998	Seed, Brian				
	AB	5,795,737	08/18/1998	Seed, Brian et al.				
	AC	5,874,304	02/23/1999	Zolotukhin, Sergei et al.				
	AD	5,968,750	10/19/1999	Zolotukhin, Sergei et al.				
	AE	6,232,107	05/15/2001	Bryan, Bruce J., et al.				
	AF	5,491,084	2/96	Chalfie, et al.				
	AG	5,436,128	7/95	Harpold, et al.				
SS	AH	5,401,629	3/95	Harpold, et al.				
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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SS		BARBER, K., et al., Delivery of membrane-impermeant fluorescent probes into living neural cell populations by lipotransfer, Neuroscience Letters 207 (1996) 17-20, Elsevier Science Ireland Ltd. Publ.
		BREJC, K., et al., Structural basis for dual excitation and photoisomerization of the Aequorea victoria green fluorescent protein, Proc. Natl. Acad. Sci. USA Vol. 94, pp 2306-2311, March 1997 Biophysics, The National Academy of Sciences of the USA Publ.
		BRIGHT, G., et al., Delivery of Macromolecules Into Adherent Cells via Electroporation for Use in Fluorescence Spectroscopic Imaging and Metabolic Studies, Cytometry 24:226-233 (1996), Wiley-Liss, Inc. Publ.
		BARAK, L., et al., A B-Arrestin/Green Fluorescent Protein Biosensor for Detecting G Protein-coupled Receptor Activation, The Journal of Biological Chemistry, Vol. 272 No. 44, Issue of October 31, pp 27497-27500 (1997), The American Society for Biochemistry and Molecular Biology, Inc. Publ..
		CHALFIE, M., et al., Green Fluorescent Protein as a Marker for Gene Expression, Science Vol. 263, pp.802-805, 11 February 1994
		CHENG, L. et al., Use of green fluorescent protein variants to monitor gene transfer and expression in mammalian cells, Research Division SyStemix, Inc. Palo Alto, CA 94304, 'Oncology Ressearch Laboratories, The Toronto Hospital and Department of Medical Biophysics, Univeristy of Toronto, Toronto, Ontario M5G2M1, Canada , 23 February 1996.
		CUBITT, A. et al., Understanding, improving and using green fluorescent proteins, TIBS 20 - November 1995, pp. 448-455, Elsevier Science Ltd.
		DAVIS, I., et al., A Nuclear GFP That Marks Nuclei in Living Drosophila Embryos; Maternal Supply Overcomes a Delay in Appearance of Zygotic Fluorescence, Developmental Biology 170, 726 - 729 (1995), Academic Press, Inc. Publ.
		EHRIG, T., et al., Green-fluorescent protein mutants with altered fluorescence excitation spectra, FEBS Letters 367 (1995) 163-166, Federation of European Biochemical Societies Publ.
SS		GIULIANO, K.; et al., Fluorescent Protein Biosensors: Measurement of Molecular Dynamics in Living Cells, Annu. Rev. Biophys. Biomol. Struct. (1995) 24:405-34, Annual Reviews Inc. Publ.

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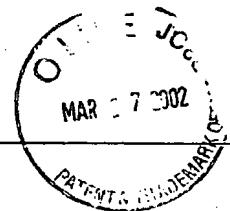
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SS		GIULIANO, K.A, and TAYLOR, D. L., Light-Optical-Based Reagents for the Measurement and Manipulation of Ions, Metabolites, and Macromolecules in Living Cells, Methods in Neurosciences, Volume 27, pp.1-16 (1995), Academic Press Inc., Publ., San Diego , California, USA.
		HAAS, J., Codon usage limitation in the expression of HIV-1 envelope glycoprotein, Current Biology (1996), Vol 6 No. 3:315-324, Current Biology Ltd. Publ.
		HASELOFF, J., et al., Removal of a cryptic intron and subcellular localization of green fluorescent protein are required to mark transgenic Arabidopsis plants brightly, Proc. Natl. Acad. Sci. USA Vol 94, pp 2122-2127, March 1997 Applied Biological Sciences, The National Academy of Sciences of the USA Publ.
		HASTINGS, W. Bioluminescence, Chapter 48 in Cell Physiology Source Book, Ed. By Nicholas Sperelakis, pp. 665-681, (1995) Academic Press, Inc. Publ., San Diego, California, USA.
		HEIM, R., et al., Engineering green fluorescent protein for improved brightness, longer wavelengths and fluorescence resonance energy transfer, Current Biology 1996, 6:178-182, Current Biology Ltd., Publ.
		JONES, J. et al., Development and Application of a GFP-FRET Intracellular Caspase Assay for Drug Screening, Journal of Biomolecular Screening, Voulme 5, Number 5, pp.307-318 (2000), The Society for Biomolecular Screening Publ., San Diego, California, USA
		MCNEIL, P., Incorporation of Macromolecules into Living Cells, Methods in Cell Biology, Vol. 29, pp. 153-173 (1989) Academic Press, Inc. Publ.
		MIYAWAKI, A., et al., Fluorescent indicators for Ca ²⁺ based on green fluorescent proteins and calmodulin, Nature, Vol 388, pp. 882-887, 28 August 1997, Macmillan Publishers Ltd. (1997) Publ.
		MORISE, H. et al., Intermolecular Energy Transfser in the Bioluminescent System of Aequorea, Biochemistry, Vol. 13, No. 12, pp. 2656-2662 (1974)
SS		RIZZUTO, R., et al., Rapid changes of mitochondrial Ca ²⁺ revealed by specifically targeted recombinant aequorin, Nature, Vol 358, pp. 325-327, 23 July 1992

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SS		KAETHER, C. et al., Visualization of protein transport along the secretory pathway using green fluorescent protein, FEBS Letters 369 (1995) 267-271, Federation of European Biochemical Societies Publ.
		HU, W., et al., Expression of Aequorea green fluorescent protein in plant cells, FEBS Letters 369 (1995) 331-334, Federation of European Biochemical Societies Publ.
		SOUTHWICK, P., et al., Cyanine Dye Labeling Reagents-Carboxymethylindocyanine Succinimidyl Esters, Cytometry 11:418-430 (1990), Wiley-Lisa, Inc. Publ.
		TSIEN, R., Fluorescent Indicators of Ion Concentrations, Methods In Cell Biology, Ch. 5, pp. 127-156 (1989), Academic Press, Inc. Publ.
		WANG, Y., et al., Fluorescent Analog Cytochemistry: Tracing Functional Protein Components in Living Cells, Methods in Cell Biology, Vol. 29, pp. 1-12 (1989) Academic Press, Inc. Publ.
		WARD, W., et al., Reversible Denaturation of Aequorea Green-Fluorescent Protein: Physical Separation and Charaterization of the Renatured Protein, Biochemistry 1982, 21, 4535-4540, (1982) American Chemical Society Publ.
		WARD, W., et al., Spectrophotometric Identity of the Energy Transer Chromophores in Renilla and Aequorea Green-Fluorescent Proteins, Photochemistry and Photobiology, Vol. 31, pp 611 to 615, (1980) Pergamon Press Ltd Publ.
		WARD, W., Ch. 7: General Aspects of Bioluminescence, Chemi- and Bioluminescence, pp. 321-358, Edited by John G. Burr, (1985) Marcel Dekker, Publ., New York, New York.
		WAUD, J., et al., Measurement of proteases using chemiluminescence-resonance-energy-transfer chimaeras between green fluorescent protein and aequorin, Biochem J. (2001) 357, 687-697 Biochemical Society Publ.
SS		Johnson, F.H., Luminescence, Narcosis, and Life In The Deep Sea, Vantage Press, 1st Ed., pp.50-57 (1988)

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